

Attorney Docket No.
WIRO1220

Serial No. 10/032,806
Customer ID: 38396

2

IN THE CLAIMS:

Please amend the claims as follows:

1. (Currently amended) A method of managing data stored in a queue in memory, the method comprising:

reading data from a head of the queue;

updating the location of a current head ~~latest read~~ pointer to a location corresponding to the end of the data;

transferring the data to a destination; and then,

upon receiving confirmation that the data transfer was successful, updating the location of a committed head read pointer to a location corresponding to the end of the data.

2. (Currently amended) A method of managing data stored in a queue in memory, the method comprising:

reading data from a head of the queue;

updating the location of a current head pointer to a location corresponding to the end of the data;

transferring the data to a destination; and then,

upon receiving confirmation that the data transfer was successful, updating the location of a committed head pointer to a location corresponding to the end of the data

and

~~as claimed in claim 1, further comprising:~~

upon receiving no confirmation or a negative confirmation that the data transfer was

Attorney Docket No.
WIRO1220

Serial No. 10/032,806
Customer ID: 38396

3

successful, updating the location of the current head latest-read pointer to assume the location of the committed head read pointer.

3. (Currently amended) A method according to ~~either preceding~~ claim 1, further comprising: storing the current head latest-read pointer location and the committed head read pointer location, and using the current head latest-read pointer and the committed head read pointer to manage data subsequently read from a second queue.
4. (Currently amended) A method according to ~~either of~~ claims 1 ~~or 2~~, further comprising:
reading second data from the head of the queue;
updating the location of a second current head latest-read pointer to a location corresponding to the end of the second data;
transferring the second data to the destination; and,
upon receiving confirmation that the transfer of the second data was successful,
removing the second current head latest-read pointer from the location corresponding to the end of the second data.
5. (Currently amended) A method as claimed in claim 1, further comprising:
writing received data to a tail of the queue;
updating the location of a latest-write current tail pointer to a location corresponding to the end of the data; and,
upon receiving confirmation that the received data is correct, updating the location of a committed write tail pointer to a location corresponding to the end of the data.
6. (New) A method according to claim 2, further comprising: storing the current head

Attorney Docket No.
WIRO1220

Serial No. 10/032,806
Customer ID: 38396

4

pointer location and the committed head pointer location, and using the current head pointer and the committed head pointer to manage data subsequently read from a second queue.

7. (New) A method according to claim 2, further comprising:
reading second data from the head of the queue;
updating the location of a second current head pointer to a location corresponding to the
end of the second data;
transferring the second data to the destination; and,
upon receiving confirmation that the transfer of the second data was successful,
removing the second current head pointer from the location corresponding to the
end of the second data.